

Work Order ID 61437

Wednesday, August 25, 2010 10:30:26 AM

Page 1

Item ID: D206-781-151KIV

Accept

Revision ID:

Item Name: Vertical Tunnel-Ivory

Start Date: 8/25/2010 Start Qty: 1.00

Required Date: 9/1/2010 Req'd Qty: 1.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date: 10-8-25

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D206-781

lv D

100

0.00

DC

Document Control

Memo

Photocopy bluefile & type labels per PPP D206-781-151KIV
CHG 001

0.00

110

Pick Kit

0.00

Packaging

Memo

Packaging

0.00

120

QC4- 100% Inspect kits for completeness

0.00

QC

Memo

Quality Control

0.00

Pro →

44 BG 10-11-12

10/11/12 (1)

10/11/12

W/O: 61437		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
10/11/12	#100	Perman. change update leaps box to have correct information	[Signature]	10.11.15			S 10/11/12	

Part No: D206-781-151 KIV PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 61437

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Item ID: D206-781-151KIV

Accept

Setup Start

Revision ID:

Stop

Item Name: Vertical Tunnel-Ivory

Start Date: 8/25/2010 Start Qty: 1.00

Cust Item ID:

Required Date: 9/1/2010 Req'd Qty: 1.00

Customer:





Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130  Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D206-781-151KIV Location: _____ PPP rev <u>B</u>	0.00							
140  QC	QC21- Final Inspection - Work Order Release	0.00							
Quality Control	Memo	0.00							<u>10/11/15</u> 

u.c. 10-11-15

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 61437

Parent Item: D206-781-151KIV

Parent Item Name: Vertical Tunnel-Ivory

Start Date: 8/25/2010

Required Date: 9/1/2010

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP RevA: New issue DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
ALS4-632-80 Insert		Purchased	No				Each	206.0000	4	4			Pro →

Location Loc Qty Loc Code

ST282 206
112495 200
17841 6

D3800-1-100 - 800
Hook and Loop Strip (1" Soft)

Manufactured No

44.9974 1.33

17841
1.33

62911

Pro →

Location Loc Qty Loc Code

ST088 44.9974
52694 5.8304
55761 39.167

D3800-3-100 - 800
Hook and Loop Strip (1" Hard)

Manufactured No

121.1500 1.33

1.33

63009

Pro →

Location Loc Qty Loc Code

ST089 121.15
50912 3
52695 7.86
55762 35.29
60042 75

4x2 @ 80" long → measure
8/10/12

ALG-632-130 8x 1110452

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
10/11/12	#100	Perm. Change ADD qty 2 cut + length to cut to for D3800-1-100-800 AND D3800-1-100-800.					S 10/11/12	
10/11/12	#100	Missing parts from Parts list to work order Pick sheet - S ADD ALSA-632-130 qty 2 to M 110452 to kit 10/11/12 UP DATE w/o + BOM. ADD copy of new BOM for Ref.					S 10/11/12	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID: 61437

Parent Item: D206-781-151KIV

Parent Item Name: Vertical Tunnel-Ivory

Start Date: 8/25/2010

Required Date: 9/1/2010

Start Qty: 1.00

Required Qty: 1.00

D3822-1KIV

Manufactured No

Each

1.0000

1

1



Vertical Tunnel, LH-Ivory

Location

Loc Qty

Loc Code

ST158

1

48590A

1

Each

1.0000

1

1

D3822-2KIV

Manufactured No



Vertical Tunnel, RH-Ivory

Location

Loc Qty

Loc Code

ST158

1

48590B

1

Each

1.0000

1

1

D3822-3KIV

Manufactured No



Vertical Tunnel, Aft Center-Ivory

Location

Loc Qty

Loc Code

ST159A

1

48590C

1

Each

4.0000

1

1

D3822-5KIV

Manufactured No



Vertical Tunnel, Top-Ivory

Location

Loc Qty

Loc Code

ST159A

4

48590D

4

Each

0.0000

1

1

D3822-7KIV

Manufactured No



Vertical Tunnel, Lower-Ivory

48590A

48590B

48590C

48590D

61512

6/14/12 (1)

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 61437

Parent Item: D206-781-151KIV

Parent Item Name: Vertical Tunnel-Ivory

Start Date: 8/25/2010

Required Date: 9/1/2010

Start Qty: 1.00

Required Qty: 1.00

S NAS388-6-12P Purchased No

Screw

Location

Loc Qty

Loc Code

ST278

22

111310

22

Each

75.0000

14

14

S NAS388-6-8P Purchased No

Screw

Location

Loc Qty

Loc Code

ST278

75

113470

75

Each

47.0000

18

18

S NAS391B6P Purchased No

Washer

Location

Loc Qty

Loc Code

ST278

47

112616

47

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

5.1.3 D206-781-111/-113/-115/-117 UTILITY KITS

Qty -111	Qty -113	Qty -115	Qty -117	Part Number	Description
X				D206-781-111	UTILITY KIT W/O ROTOR BRAKE
	X			D206-781-113	UTILITY KIT W/ ROTOR BRAKE
		X		D206-781-115	UTILITY KIT W/O ROTOR BRAKE, LITTER KIT COMPATIBLE
			X	D206-781-117	UTILITY KIT W/ ROTOR BRAKE, LITTER KIT COMPATIBLE
1		1		D206-781-141	CREW CABIN OVERHEAD W/O ROTOR BRAKE KIT
	1		1	D206-781-143	CREW CABIN OVERHEAD W/ ROTOR BRAKE KIT
1	1	1	1	D206-781-151	VERTICAL TUNNEL KIT
1	1	1	1	D206-781-161	REAR OVERHEAD KIT
1	1			D206-781-171	HAT BIN KIT
		1	1	D206-781-173	HAT BIN KIT, LITTER KIT COMPATIBLE

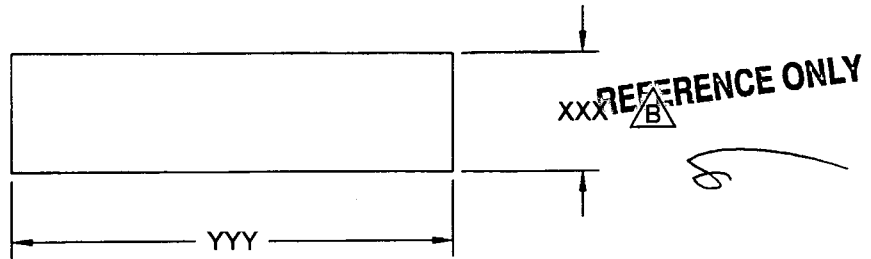
5.1.4 D206-781-141/-143/-151/-161/-171/-173 KITS

Qty -141	Qty -143	Qty -151	Qty -161	Qty -171	Qty -173	Part Number	Description
X						D206-781-141	CREW CABIN OVERHEAD W/O ROTOR BRAKE KIT
	X					D206-781-143	CREW CABIN OVERHEAD W/ ROTOR BRAKE KIT
		X				D206-781-151	VERTICAL TUNNEL KIT
			X			D206-781-161	REAR OVERHEAD KIT
				X		D206-781-171	HAT BIN KIT
					X	D206-781-173	HAT BIN KIT, LITTER KIT COMPATIBLE
1						D3821-1	PANEL - W/O ROTOR BRAKE
	1					D3821-3	PANEL - W/ ROTOR BRAKE
4	4					NAS388-6-8P	SCREW
4	4					NAS391B6P	WASHER
		1				D3822-1	VERTICAL TUNNEL, LH
		1				D3822-2	VERTICAL TUNNEL, RH
		1				D3822-3	VERTICAL TUNNEL, AFT CENTER
		1				D3822-5	VERTICAL TUNNEL, TOP
		1				D3822-7	VERTICAL TUNNEL, LOWER
		2				D3800-1-100-800	LOOP STRIP
		2				D3800-3-100-800	HOOK STRIP
		4				NAS388-6-8P	SCREW
		14				NAS388-6-12P	SCREW
		18				NAS391B6P	WASHER
		4				ALS4-632-80	INSERT
		8				ALS4-632-130	INSERT
			1			D3823-1	REAR OVERHEAD, LH
			1			D3823-2	REAR OVERHEAD, RH
			1			D3823-3	REAR OVERHEAD, CENTER
			10			AN525-10R24	SCREW
			10			NAS43DD3-68	SPACER
				1		D3824-1	HAT BIN
					1	D3824-3	HAT BIN
				6	6	D3851-1	DOUBLER
				4	4	AN525-10R10	SCREW

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Revision: D
 Date: 09.07.07

SPECIFICATION CONTROL DRAWING



DESCRIPTION: HOOK AND LOOP STRIP WITH ADHESIVE BACK

SPECIFICATION: D3800-1-XXX-YYY LOOP STRIP (ie. SOFT VELCRO STRIP)
D3800-3-XXX-YYY HOOK STRIP (ie. HARD VELCRO STRIP) B

WHERE 'XXX' IS WIDTH IN HUNDREDTHS OF AN INCH
AND 'YYY' IS LENGTH IN TENTHS OF AN INCH

EG. 1" WIDE BY 2.5" LONG LOOP STRIP = D3800-1-100-025
2" WIDE BY 10.0" LONG HOOK STRIP = D3800-3-200-100

PART NUMBER	WIDTH	PURCHASE	
D3800-1-100-YYY LOOP STRIP	1.0	McMASTER CARR P/N: 9776K122, 9776K126, 9776K18, 9776K28, 9776K131, 9776K38	B
D3800-3-100-YYY HOOK STRIP	1.0	McMASTER CARR P/N: 9776K97, 9776K113, 9776K13, 9776K23, 9776K117, 9776K33	B
D3800-1-100-YYY & D3800-3-100-YYY (PURCHASED AS COMBINATION PACK)	1.0	McMASTER CARR P/N: 9776K72, 9776K76, 9776K79, 9776K84, 9776K88, 9776K93	B
D3800-1-200-YYY LOOP STRIP	2.0	McMASTER CARR P/N: 9776K123, 9776K127, 9776K19, 9776K29, 9776K132, 9776K39	
D3800-3-200-YYY HOOK STRIP	2.0	McMASTER CARR P/N: 9776K98, 9776K114, 9776K14, 9776K24, 9776K118, 9776K34	
D3800-1-200-YYY & D3800-3-200-YYY (PURCHASED AS COMBINATION PACK)	2.0	McMASTER CARR P/N: 9776K73, 9776K77, 9776K81, 9776K85, 9776K89, 9776K94	

NOTES:

- 1) MATERIAL: WOVEN NYLON HOOK AND LOOP WITH ADHESIVE BACK
BEIGE COLOR
ACCEPTABLE SUPPLIERS PER ABOVE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

RELEASED

B	ADD 1" WIDTH OPTION, "XXX-YYY" WAS "XXX", ADD ADDITIONAL McMASTER PART NUMBERS	CP	08.09.09
A	NEW ISSUE	CP	08.06.18
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>GP</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>GP</i>		
CHECKED	<i>PH</i>	DRAWING NO. D3800	REV. B
MFG. APPR.	<i>EE</i>	SHEET 1 OF 1	
APPROVED	<i>GP</i>	TITLE HOOK AND LOOP STRIP	SCALE NTS
DE APPR.	<i>GP</i>		
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